

REMARKS

Applicants thank Examiner Metzmaier for his courteous and congenial telephone interview with Applicants' representative on November 10, 2004.

Claims 1, 2, 5, and 21-23 are pending in the present application.

Claims 3, 4, and 6-20 are canceled with this Amendment. Applicants reserve the right to file a divisional application on method claims 7-20.

Claim 1 is amended to recite that the solvent swell composition includes epsilon-caprolactone and gamma-caprolactone and an amide.

New claims 21-23 are added to more particularly point out and distinctly claim the invention. New claims 21 and 23 recite various types of amides. Support in the specification for these claims is at page 8, lines 18-21. New claim 22 recites that the lactone in the solvent swell comprises at least 10% bv of the solvent swell. Support in the specification is at page 21, lines 1-4.

Original claims 1-20 were subject to a restriction requirement. Applicants confirm that they elected composition claims 1-6 over method claims 7-20, with traverse.

The drawings are objected to because the upper case letters which reference the drawings in the specification allegedly do not correspond to the lower case letters in the drawings. The drawings are corrected in red to change the lower case letters to upper case letters to correspond to their description in the specification. The changes in red are shown in the enclosed annotation of marked-up drawings. Replacement sheets with the correct upper letters are also enclosed.

Applicants respectfully request withdrawal of the objection of the drawings.

The specification was objected to because of informalities. The upper case letters used to reference the drawings are allegedly insufficient to correspond to the lower case letters in the drawings as filed. Applicants have amended the drawings such that they now have upper case letters, which correspond to the upper case letters in the specification.

Applicants respectfully request withdrawal of the objection of the specification.

Claims 1-2, 4 and 6 are rejected under 35 U.S.C. §102(b) as allegedly anticipated by U.S. 5,985,040 to Carano et al. Applicants respectfully traverse this rejection.

Claims 4 and 6 are canceled. Accordingly, the rejection with respect to these claims is moot.

Present claim 1 recites a solvent swell composition comprising a lactone chosen from epsilon-caprolactone and gamma-caprolactone and mixtures thereof, and an amide in sufficient amounts such that the solvent swell composition conditions a resinous material upon contacting the resinous material with the solvent swell composition such that etching the conditioned resinous material provides a porous texturing of the conditioned resinous material.

Carano et al. do not teach such a composition. Carano et al. teach a composition which contains gamma-butyrolactones, not epsilon-caprolactone and gamma-caprolactone, and mixtures thereof.

Since claim 2 depends from claim 1, it also is not anticipated by Carano et al.

Applicants respectfully request withdrawal of the rejection of claims 1 and 2 under 35 U.S.C. §102(b) as anticipated by U.S. 5,985,040 to Carano et al.

Claims 1-3 and 5-6 are rejected under 35 U.S.C. §102(b) as allegedly anticipated by U.S. 5,413,729 to Gaul. Applicants respectfully traverse this rejection.

Claims 3 and 6 are canceled. Accordingly, the rejection with respect to these claims is moot.

Gaul does not teach a solvent swell composition comprising a lactone chosen from epsilon-caprolactone and gamma-caprolactone, and mixtures thereof, and an amide in sufficient amounts such that the solvent swell composition conditions a resinous material upon contacting the resinous material with the solvent swell composition such that etching the conditioned resinous material provides a porous texturing of the conditioned resinous material as recited in present claim 1.

Gaul does not teach a solvent swell, let alone a solvent swell which includes the recited lactones in combination with an amide. Gaul is directed to a composition for removing paint and coatings (col. 1, lines 9-11).

Since claims 1 and 5 depend from claim 1, they also are not anticipated by Gaul.

Applicants respectfully request withdrawal of the rejection of claims 1, 2 and 5 under 35 U.S.C. §102(b) as anticipated by U.S. 5,413,729 to Gaul.

Claims 1-2 and 4-6 are rejected under 35 U.S.C. §102(b) as allegedly anticipated by U.S. 4,836,950 to Madsen et al. Applicants respectfully traverse this rejection.

Claims 4 and 6 are canceled. Accordingly, the rejection with respect to these claims is moot.

Madsen et al. do not teach a solvent swell composition comprising a lactone chosen from epsilon-caprolactone and gamma-caprolactone, and mixtures thereof, and an amide in sufficient amounts such that the solvent swell composition conditions a resinous material upon contacting the resinous material with the solvent swell composition such that etching the conditioned resinous material provides a porous texturing of the conditioned resinous material as recited in claim 1.

Madsen et al. teach γ -butyrolactone, not epsilon-caprolactone, gamma-caprolactone, and mixtures thereof. Also, Madsen et al. teach compositions for removing printing and screen printing inks, not a solvent swell.

Since claims 2 and 5 depend from claim 1, they also are not anticipated by Madsen et al.

Applicants respectfully request withdrawal of the rejection of claims 1, 2, and 5 under 35 U.S.C. §102(b) as anticipated by U.S. 4,836,950 to Madsen et al.

Claim 3 is rejected under 35 U.S.C. §103(a) as allegedly unpatentable over U.S. 5,985,040 to Carano et al. Applicants respectfully traverse this rejection.

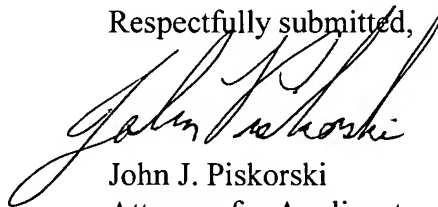
Claim 3 is canceled. Accordingly, the rejection with respect to this claim is moot.

As pointed out in the telephone interview present claim 1 recites the lactones epsilon-caprolactone and gamma-caprolactone, and mixtures thereof, not γ -butyrolactone or γ -valerolactone. Accordingly, claim 1 would not have been obvious over Carano et al.

In view of the foregoing amendments and remarks, reconsideration of the application is requested. It is submitted that the claims as presented herein patentably distinguish over the applied documents and fully meet the requirements of 35 U.S.C. §112. Accordingly, allowance of claims 1, 2, 5, and 21-23 is respectfully solicited.

Should the Examiner believe anything further is needed in order to place the application in condition for allowance, he is requested to contact the undersigned at the telephone number listed below.

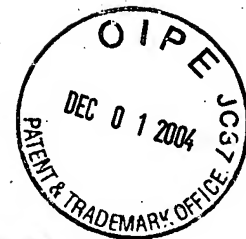
Respectfully submitted,

A handwritten signature in black ink, appearing to read "John J. Piskorski", written over the typed name.

John J. Piskorski
Attorney for Applicant
Registration No. 35,647
Telephone No.: (508) 229-7662
Facsimile No.: (508) 787-4730

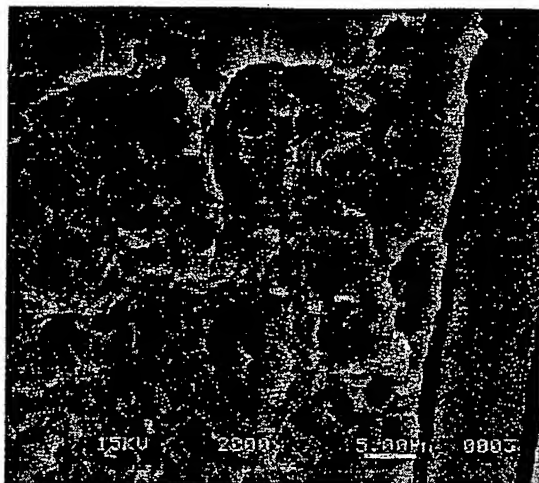
Rohm and Haas Electronic Materials, LLC
455 Forest Street
Marlborough, MA 01752

Annotated Marked-up Drawings

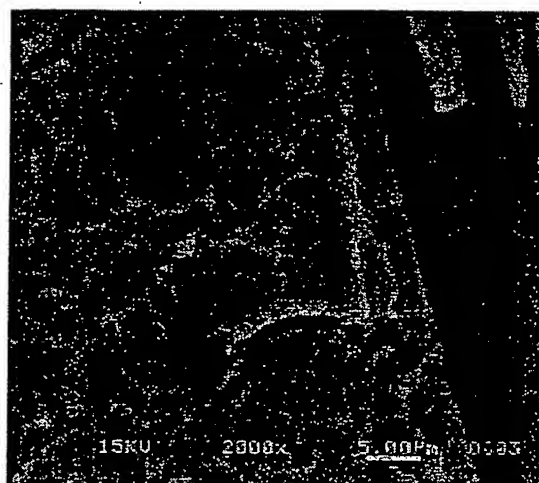


~~Figure 1.~~

~~1a.~~



~~1b.~~

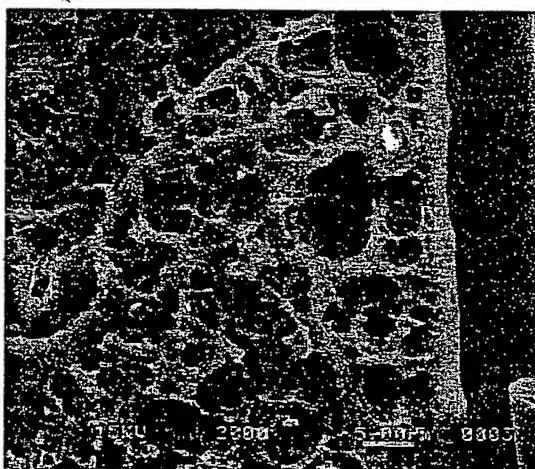


~~Figure 2.~~

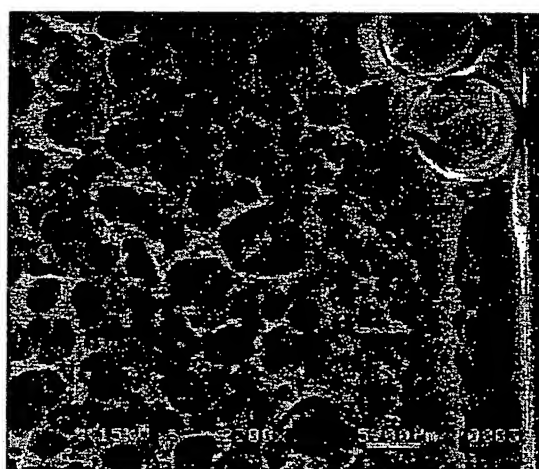
FIG. 1A

FIG. 1B

~~2a.~~



~~2b.~~

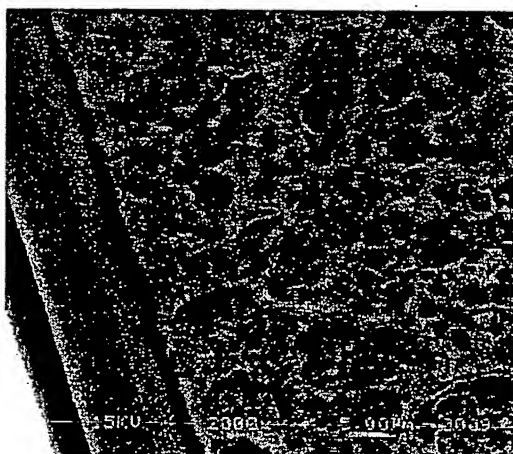


~~Figure 3.~~

FIG. 2A

FIG. 2B

~~3a.~~



~~3b.~~

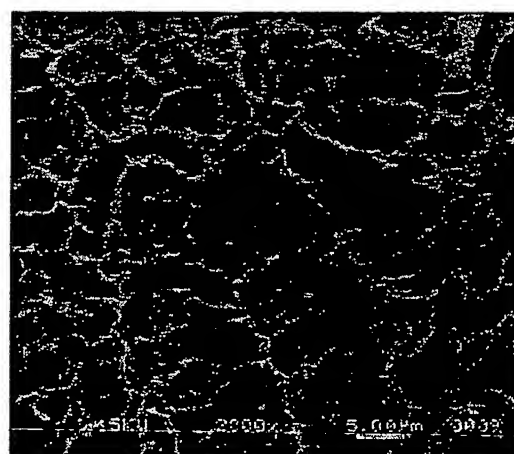


FIG. 3A

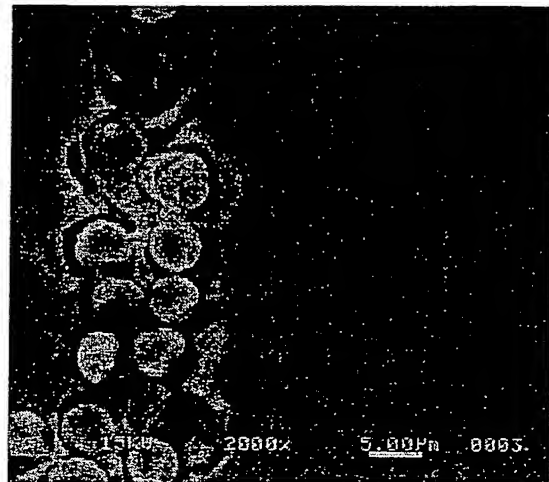
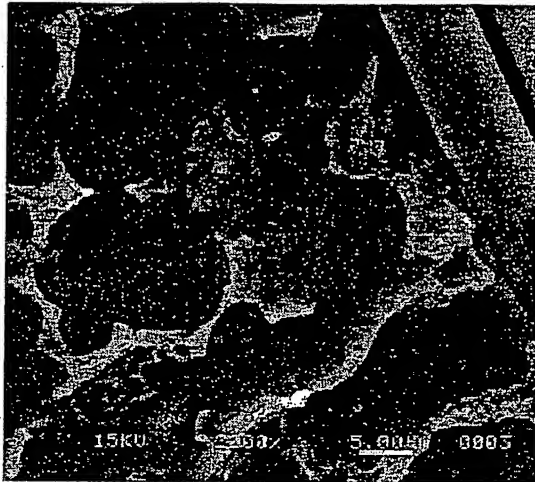
FIG. 3B

Annotated Marked-up Drawings

Figure 4.

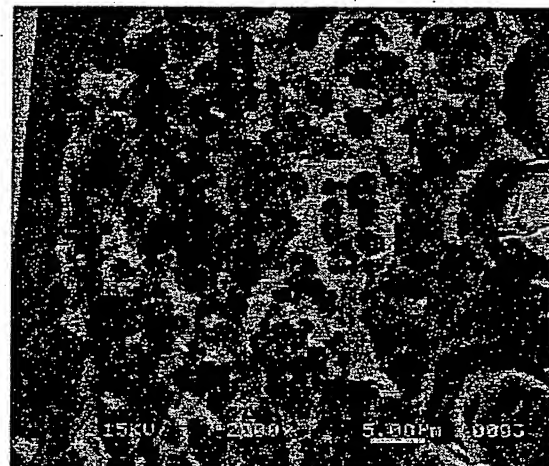
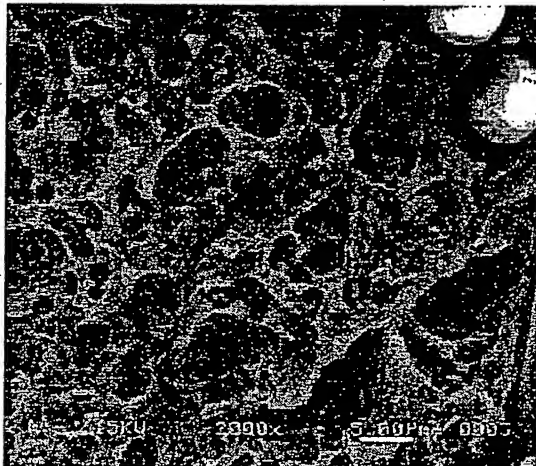
~~4a~~

~~4b~~



~~4c~~ FIG. 4A

~~4d~~ FIG. 4B



~~4e~~ FIG. 4C

~~4f~~ FIG. 4D

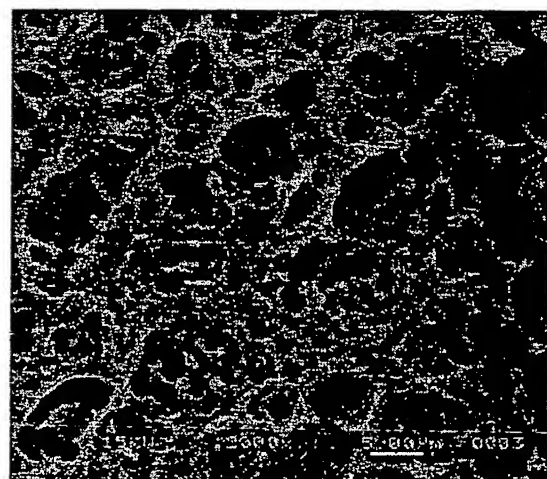
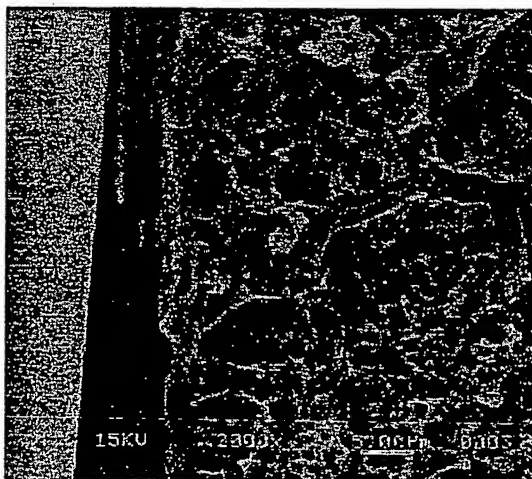


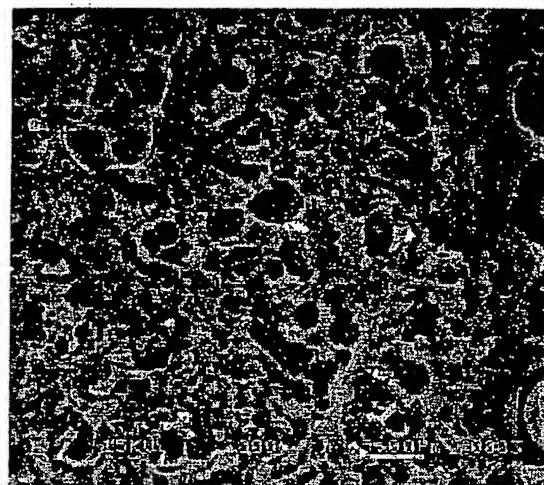
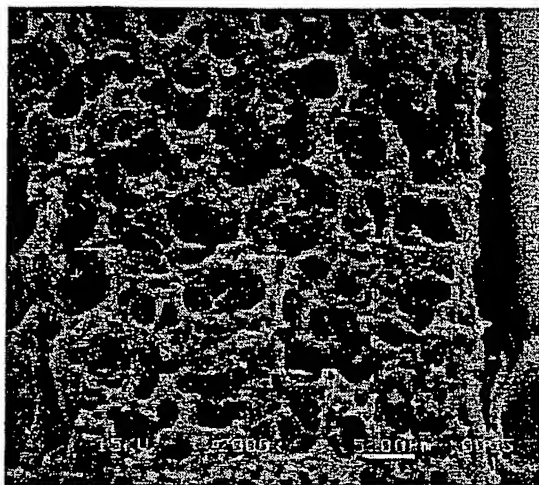
FIG 4E

FIG. 4F

Annotated Marked-up Drawings

~~4g~~

~~4h~~



~~4i~~

FIG. 4G

~~4j~~

FIG. 4H

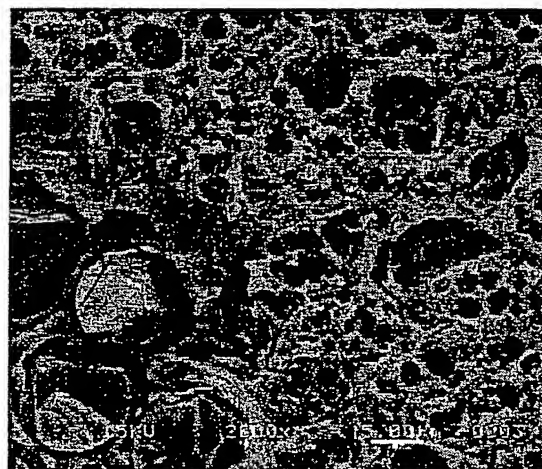
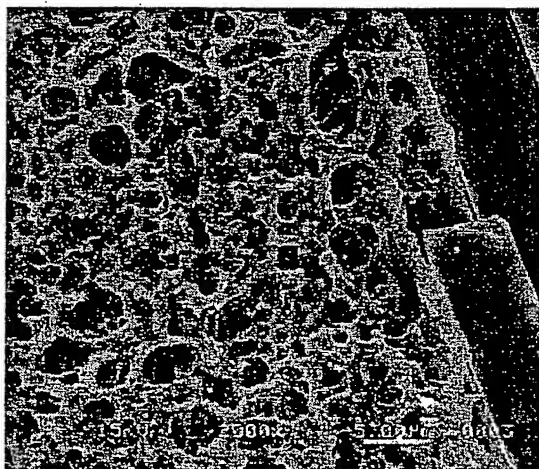


FIG. 4I

FIG. 4J

Annotated Marked-up Drawings

Figure 5.

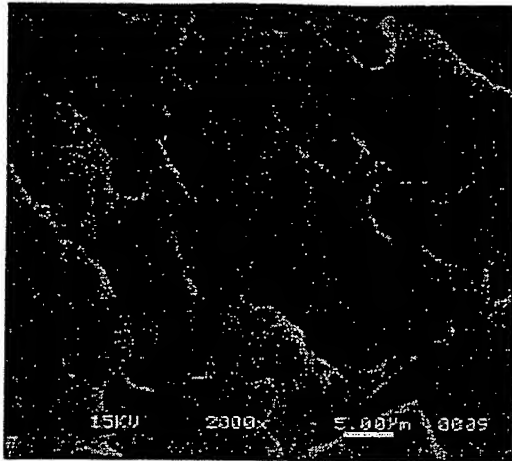


FIG. 5A

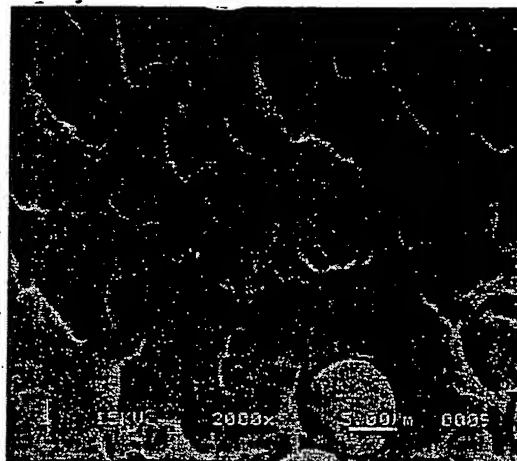


FIG. 5B

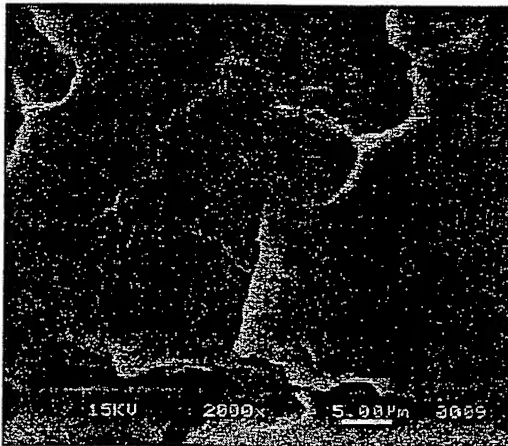


FIG. 5C

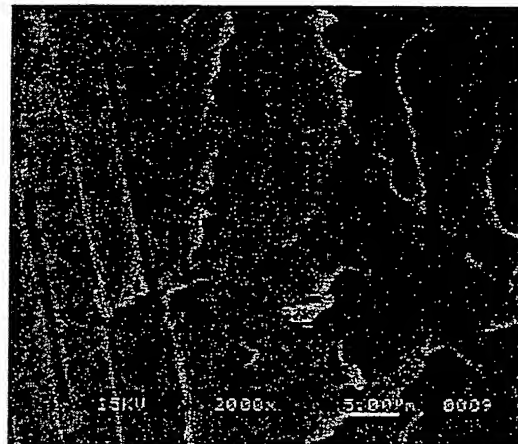


FIG. 5D

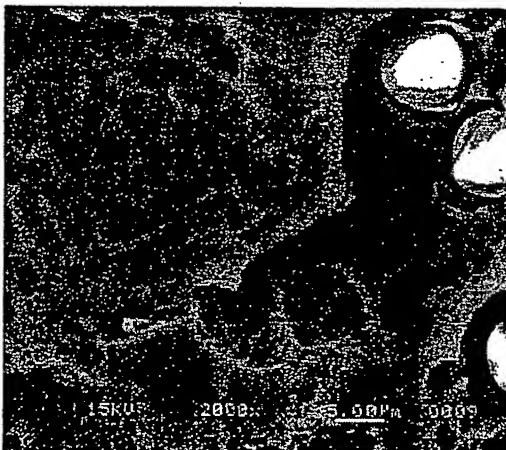


FIG. 5E

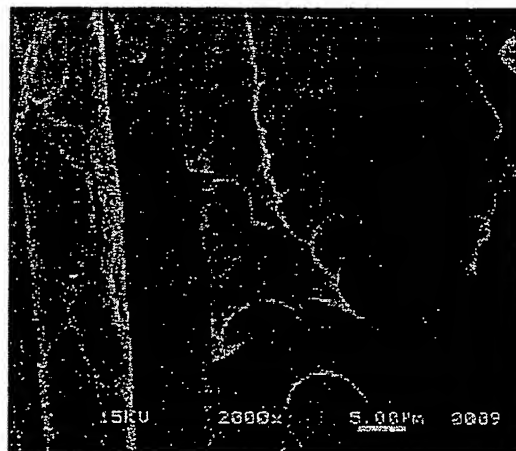


FIG. 5F

Annotated Marked-up Drawings

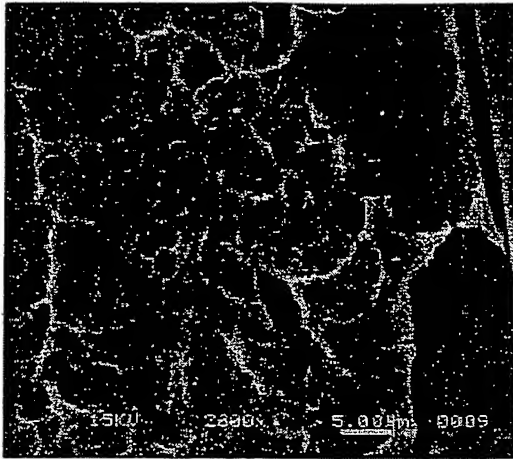


FIG. 5G

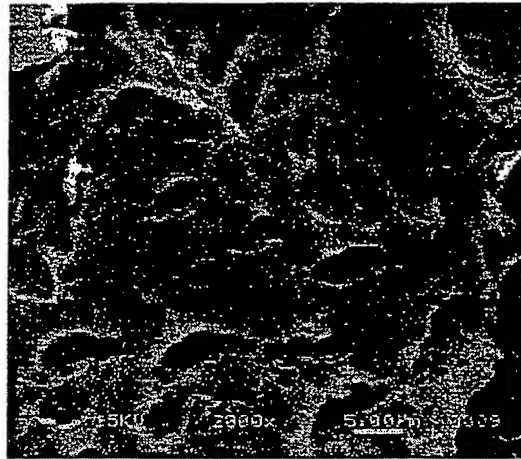


FIG. 5H

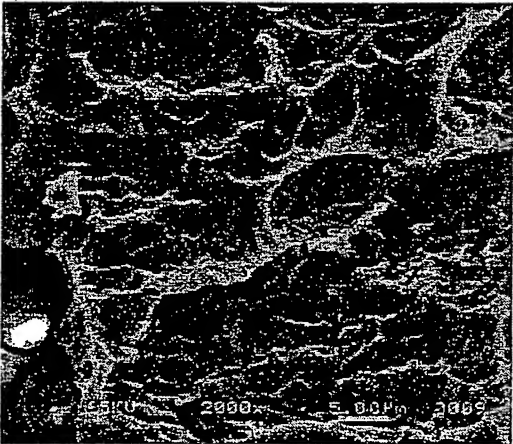


FIG. 5I

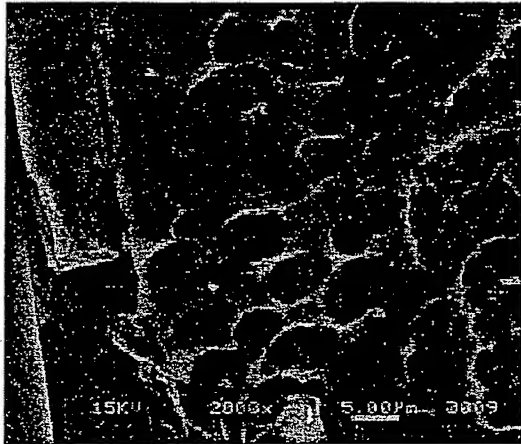
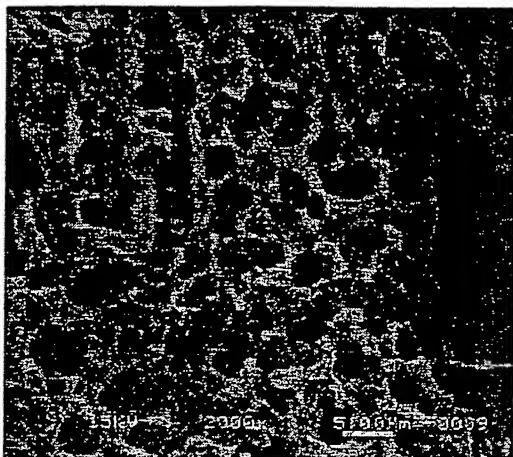


FIG. 5J

Annotated Marked-up Drawings

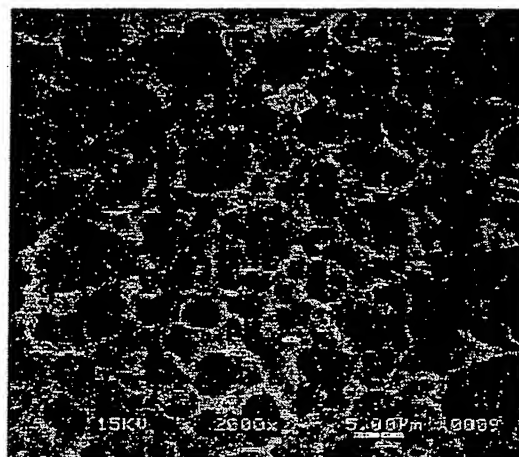
~~Figure 6.~~

~~6a~~



~~6~~ FIG. 6A

~~6b~~



~~6b~~ FIG. 6B

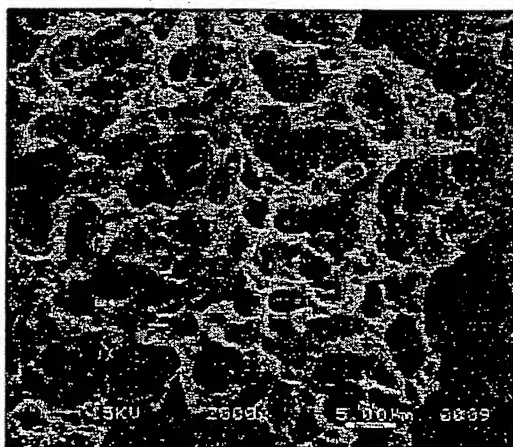


FIG. 6C

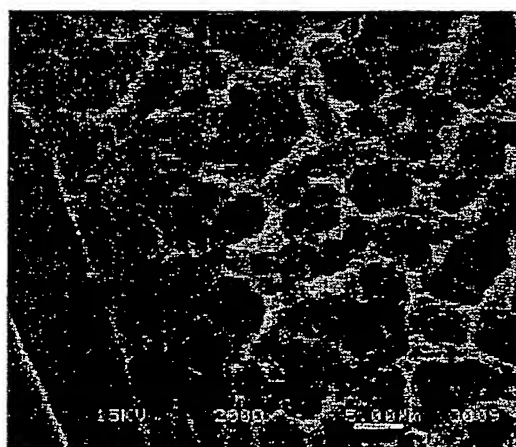


FIG. 6D